

Project Objectives

To Help PLDT Analyze, Engineer and Develop a Network Structure that Would Insure Sufficient Switching and Transmission Capacity Which Would Provide a Given Grade of Service Over a Multi-Year Planning Horizon in an Economical Manner.

How To Obtain Project's Objectives?

*By Network Planning Through a Value-Added Partnership
Between PLDT and AT&T (IOD and Bell Labs)*

- Provide PLDT with a Network Engineering Planning Software Tool to Be Used by Traffic Engineers
- Training PLDT People How to Use the Tool: Inter-City Traffic Engineering Module (ITEM92)

How To Obtain Project's Objectives? (Cont'd)

By Network Planning Through a Value-Added Partnership Between PLDT and AT&T (IOD and Bell Labs)

- To Advise PLDT Traffic Engineers on the Critical Issues as They Develop What-If Planning Alternatives
- Final Analysis of the Various Alternatives to Be Done at Bell Labs in the U.S. with PLDT Personnel Taking Advantage of Additional Bell Labs Expertise and Tools
- Final Recommendation Will Be Made by PLDT Traffic Engineers

Stages Of PLDT - AT&T Network Planning Project

- Initial Visit
- Feasibility Study & Tool Delivery
- Data Development Period
- Final Planning Sessions

AT&T - PROPRIETARY

Benefits Of Network Planning Are:

- Provides PLDT'S Customers with Planned Grade of Service
- Produces a Cohesive Document That Will Tie Together the Current and Future Plans of PLDT and Thereby Provide a Common Direction for All Its Entities
- Develops New Routes Where Needed to Satisfy Customer Demand
- Allows Integration of New Technology into the Network
- Optimize Resources by Changing Capacity of Network
- Controls Financial Aspect of Network
 - Choose Alternatives That Provide the Greatest Benefits to the Corporation
 - Examine Ways to Reduce Capital Expenditures Needed to Accomplish Task

Benefits Of Network Planning Are: (Cont)

- Develops Network Solution for:
 - New Switching System or Exhaust/Relief of Switches
 - Change in Technology
 - Building Space Requirements
 - Facility Exhaust
 - Lead Time to Implement Changes
 - Identified Conflicts Between Planning and Other Aspects of the Business
 - Operator Service Requirements
- Answer Questions to Various Network Events

Steps In Network Planning Study Over A Multi-Year Horizon

For Each Year:

- Generate Input Data (Database)
- Determine Manageable and Robust Network Architecture
- Calculate the Required Switch and Transmission Capacities
- Insure Sufficient Network Connectivity

Summary

- **Purpose to Increase Mutual Revenue and Satisfy Customer Demand**
- **Objective Achieved by Network Planning Through a Value-Added Partnership**
- **Three Year Gratis Network Planning Consultancy and Training, Not AT&T Performed Analysis**